

WHAT IS CLAIMED IS

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1. An optical module comprising:

a ferrule an optical fiber which penetrates a center thereof along an axis direction of the ferrule;

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a member inserted with the ferrule;

a sealed container, connected to the member, having an optical system which optically couples to the optical fiber;

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a resin portion encapsulating the member and the sealed container; and

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a communication path including a first communication passage between the ferrule and the member, a space where the optical system and the optical fiber confront each other, and a second communication passage between the ferrule and the member, said first and second communication passages being mutually independent.

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2. The optical module as claimed in claim 1, wherein the first and second communication passages are provided in at least one of the ferrule and the member.

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see figs 5 & 13, 12

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3. The optical module as claimed in claim 2, wherein the ferrule and the member respectively have a cylindrical shape, so that an outer

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ia the space.

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a connector section, adapted to connection with an optical connector, provided in a vicinity of the first end of the member.

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10. An optical module producing method for producing an optical module which is provided with a ferrule an optical fiber which penetrates a center thereof along an axis direction of the ferrule, a member inserted with the ferrule, a sealed container connected to the member and having an optical system which optically couples to the optical fiber, a resin portion encapsulating the

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